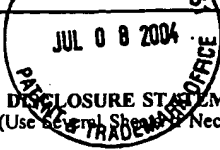


FORM PTO-1449 (Modified)				U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: UM-08901		Serial No.: 10/781,362	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use See Remarks Section if Necessary)						Applicant: David Ginsburg <i>et al.</i>			
(37 CFR § 1.98(b))						Filing Date:		Group Art Unit: 1634	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)									
9	1	Appenzeller,C., Andersson,H., Kappeler,F., and Hauri,H.P. (1999). The lectin ERGIC-53 is a cargo transport receptor for glycoproteins. <i>Nat. Cell Biol.</i> 1, 330-334							
	2	Arar,C., Carpentier,V., Le Caer,J.P., Monsigny,M., Legrand,A., and Roche,A.C. (1995). ERGIC-53, a membrane protein of the endoplasmic reticulum-Golgi intermediate compartment, is identical to MR60, an intracellular mannose-specific lectin of myelomonocytic cells. <i>J. Biol. Chem.</i> 270, 3551-3553							
	3	Belden,W.J. and Barlowe,C. (2001). Role of Erv29p in collecting soluble secretory proteins into ER-derived transport vesicles. <i>Science</i> 294, 1528-1531.							
	4	Chiu,H.C., Schick,P.K., and Colman,R.W. (1985). Biosynthesis of factor V in isolated guinea pig megakaryocytes. <i>J. Clin. Invest.</i> 75, 339-346							
	5	Deka,N., Wong,E., Matera,A.G., Kraft,R., Leinwand,L.A., and Schmid,C.W. (1988). Repetitive nucleotide sequence insertions into a novel calmodulin-related gene and its processed pseudogene. <i>Gene</i> 71, 123-134							
	6	Do,H., Healey,J.F., Waller,E.K., and Lollar,P. (1999). Expression of factor VIII by murine liver sinusoidal endothelial cells. <i>J. Biol. Chem.</i> 274, 19587-19592							
	7	Fiedler,K. and Simons,K. (1994). A putative novel class of animal lectins in the secretory pathway homologous to leguminous lectins. <i>Cell</i> 77, 625-626							
	8	Fiedler,K. and Simons,K. (1996). Characterization of VIP36, an animal lectin homologous to leguminous lectins. <i>J. Cell Sci.</i> 109 ( Pt 1), 271-276							
	9	Ginsburg,D. (2002). Hemophilia and Other Disorders of Hemostasis. In Emery and Rimoin's Principles and Practice of Medical Genetics, Vol. II, D.L.Rimoin, J.M.Connor, and R.E.Pyeritz, eds. (New York: Churchill Livingstone), pp. 1926-1958							
	10	Hebert,D.N., Foellmer,B., and Helenius,A. (1995). Glucose trimming and reglucosylation determine glycoprotein association with calnexin in the endoplasmic reticulum. <i>Cell</i> 81, 425-433							
	11	Itin,C., Roche,A.C., Monsigny,M., and Hauri,H.P. (1996). ERGIC-53 is a functional mannose-selective and calcium-dependent human homologue of leguminous lectins. <i>Mol. Biol. Cell</i> 7, 483-493							
	12	Kappeler,F., Klopfenstein,D.R., Foguet,M., Paccard,J.P., and Hauri,H.P. (1997). The recycling of ERGIC-53 in the early secretory pathway. ERGIC-53 carries a cytosolic endoplasmic reticulum-exit determinant interacting with COPII. <i>J. Biol. Chem.</i> 272, 31801-31808							
	13	Kaufman,R.J. (1998). Post-translational modifications required for coagulation factor secretion and function. <i>Thromb. Haemost.</i> 79, 1068-1079							
	14	Kaufman,R.J., Wasley,L.C., and Dorner,A.J. (1988). Synthesis, processing, and secretion of recombinant human factor VIII expressed in mammalian cells. <i>J. Biol. Chem.</i> 263, 6352-6362							
	15	Klumperman,J., Schweizer,A., Clausen,H., Tang,B.L., Hong,W., Oorschot,V., and Hauri,H.P. (1998). The recycling pathway of protein ERGIC-53 and dynamics of the ERGolgi intermediate compartment. <i>J. Cell Sci.</i> 111 ( Pt 22), 3411-3425							
	16	Lander,E.S. and Botstein,D. (1987). Homozygosity mapping: A way to map human recessive traits with the DNA of inbred children. <i>Science</i> 236, 1567-1570.							
	17	Kuehn,M.J., Herrmann,J.M., and Schekman,R. (1998). COPII-cargo interactions direct protein sorting into ER-derived transport vesicles. <i>Nature</i> 391, 187-190.							
	18	Levy,G.G., Nichols,W.C., Lian,E.C., Foroud,T., McClintick,J.N., McGee,B.M., Yang,A.Y., Siemieniak,D.R., Stark,K.R., Gruppo,R., Sarode,R., Shurin,S.B., Chandrasekaran,V., Stabler,S.P., Sabio,H., Bouhassira,E.E., Upshaw,J.D., Jr., Ginsburg,D., and Tsai,H.M. (2001). Mutations in a member of the ADAMTS gene family cause thrombotic thrombocytopenic purpura. <i>Nature</i> 413, 488-494							
	19	Lewis,M.J., Sweet,D.J., and Pelham,H.R. (1990). The ERD2 gene determines the specificity of the luminal ER protein retention system. <i>Cell</i> 61, 1359-1363							
	20	Martin-Bermudo,M.D. and Brown,N.H. (2000). The localized assembly of extracellular matrix integrin ligands requires cell-cell contact. <i>J. Cell Sci.</i> 113 Pt 21, 3715-3723							
	21	Martinez-Menarguez,J.A., Geuze,H.J., Slot,J.W., and Klumperman,J. (1999). Vesicular tubular clusters between the ER and Golgi mediate concentration of soluble secretory proteins by exclusion from COPI-coated vesicles. <i>Cell</i> 98, 81-90							
	22	Moussalli,M., Pipe,S.W., Hauri,H.-P., Nichols,W.C., Ginsburg,D., and Kaufman,R.J. (1999). Mannose-dependent endoplasmic reticulum (ER)-Golgi intermediate compartment-53-mediated ER to Golgi trafficking of coagulation factors V and VIII. <i>J. Biol. Chem.</i> 274, 32539-32542							
2	23	Muniz,M., Morsomme,P., and Riezman,H. (2001). Protein sorting upon exit from the endoplasmic reticulum. <i>Cell</i> 104, 313-320							
Examiner:		Jehanne Siffert				Date Considered:		12/19/2006	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: UM-08901	Serial No.: 10/781,362
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: David Ginsburg <i>et al.</i>	
				Filing Date:	Group Art Unit: 1634
(37 CFR § 1.98(b))					
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
90	24	Lander, E.S., Linton, L.M., Birren, B., Nusbaum, C., Zody, M.C., Baldwin, J., Devon, K., Dewar, K., Doyle, M., FitzHugh, W., Funke, R., Gage, D., Harris, K., Heaford, A., Howland, J., Kann, L., Lehoczy, J., LeVine, R., McEwan, P., McKernan, K., Meldrum, J., Mesirov, J.P., Miranda, C., Morris, W., Naylor, J., Raymond, C., Rosetti, M., Santos, R., Sheridan, A., Sougnez, C., Stange-Thomann, N., Stojanovic, N., Subramanian, A., Wyman, D., Rogers, J., Sulston, J., Ainscough, R., Beck, S., Bentley, D., Burton, J., Clee, C., Carter, N., Coulson, A., Deadman, R., Deloukas, P., Dunham, A., Dunham, I., Durbin, R., French, L., Grafham, D., Gregory, S., Hubbard, T., Humphray, S., Hunt, A., Jones, M., Lloyd, C., McMurray, A., Matthews, L., Mercer, S., Milne, S., Mullikin, J.C., Mungall, A., Plumb, R., Ross, M., Showkeen, R., Sims, S., Waterston, R.H., Wilson, R.K., Hillier, L.W., McPherson, J.D., Marra, M.A., Mardis, E.R., Fulton, L.A., Chinwalla, A.T., Pepin, K.H., Gish, W.R., Chissoe, S.L., Wendt, M.C., Delhaunty, K.D., Miner, T.L., Delhaunty, A., Kramer, J.B., Cook, L.L., Fulton, R.S., Johnson, D.L., Minx, P.J., Clifton, S.W., Hawkins, T., Branscomb, E., Predki, P., Richardson, P., Wenning, S., Slezak, T., Doggett, N., Cheng, J.F., Olsen, A., Lucas, S., Elkin, C., Uberbacher, E., Frazier, M., Gibbs, R.A., Muzny, D.M., Scherer, S.E., Bouck, J.B., Sodergren, E.J., Worley, K.C., Rives, C.M., Gorrell, J.H., Metzker, M.L., Naylor, S.L., Kucherlapati, R.S., Nelson, D.L., Weinstock, G.M., Sakaki, Y., Fujiyama, A., Hattori, M., Yada, T., Toyoda, A., Itoh, T., Kawagoe, C., Watanabe, H., Totoki, Y., Taylor, T., Weissbach, J., Heilig, R., Saurin, W., Artiguenave, F., Brottier, P., Bruls, T., Pelletier, E., Robert, C., Wincker, P., Smith, D.R., Doucette-Stamm, L., Rubinfeld, M., Weinstock, K., Lee, H.M., Dubois, J., Rosenthal, A., Platzer, M., Nyakatura, G., Taudien, S., Rump, A., Yang, H., Yu, J., Wang, J., Huang, G., Gu, J., Hood, L., Rowen, L., Madan, A., Qin, S., Davis, R.W., Federspiel, N.A., Abola, A.P., Proctor, M.J., Myers, R.M., Schmutz, J., Dickson, M., Grimwood, J., Cox, D.R., Olson, M.V., Kaul, R., Raymond, C., Shimizu, N., Kawasaki, K., Minoshima, S., Evans, G.A., Athanasiou, M., Schultz, R., Roe, B.A., Chen, F., Pan, H., Ramser, J., Lehrach, H., Reinhardt, R., McCombie, W.R., de la B.M., Dedhia, N., Blocker, H., Hornischer, K., Nordsiek, G., Agarwala, R., Aravind, L., Bailey, J.A., Bateman, A., Batzoglu, S., Birney, E., Bork, P., Brown, D.G., Burge, C.B., Cerutti, L., Chen, H.C., Church, D., Clamp, M., Copley, R.R., Doerks, T., Eddy, S.R., Eichler, E.E., Furey, T.S., Galagan, J., Gilbert, J.G., Harmon, C., Hayashizaki, Y., Haussler, D., Hermjakob, H., Hokamp, K., Jang, W., Johnson, L.S., Jones, T.A., Kasif, S., Kasprzyk, A., Kennedy, S., Kent, W.J., Kitts, P., Koonin, E.V., Korfi, J., Kulp, D., Lancet, D., Lowe, T.M., McLysaght, A., Mikkelsen, T., Moran, J.V., Mulder, N., Pollara, V.J., Ponting, C.P., Schuler, G., Schultz, J., Slater, G., Smit, A.F., Stupka, E., Szustakowski, J., Thierry-Mieg, D., Thierry-Mieg, J., Wagner, L., Wallis, J., Wheeler, R., Williams, A., Wolf, Y.I., Wolfe, K.H., Yang, S.P., Yeh, R.F., Collins, F., Guyer, M.S., Peterson, J., Felsenfeld, A., Wetterstrand, K.A., Patrino, A., Morgan, M.J., Szustakowski, J., de Jong, P., Catanese, J.J., Osoegawa, K., Shizuya, H., and Choi, S. (2001). Initial sequencing and analysis of the human genome. <i>Nature</i> 409, 860-921.			
	25	Muniz, M., Nuoffer, C., Hauri, H.P., and Riezman, H. (2000). The Emp24 complex recruits a specific cargo molecule into endoplasmic reticulum-derived vesicles. <i>J. Cell Biol.</i> 148, 925-930			
	26	Munro, S. and Pelham, H.R. (1987). A C-terminal signal prevents secretion of luminal ER proteins. <i>Cell</i> 48, 899-907			
	27	Neerman-Arbez, M., Johnson, K.M., Morris, M.A., McVey, J.H., Peyvandi, F., Nichols, W.C., Ginsburg, D., Rossier, C., Antonarakis, S.E., and Tuddenham, E.G.D. (1999). Molecular analysis of the ERGIC-53 gene in 35 families with combined factor V factor VIII deficiency. <i>Blood</i> 93, 2253-2260			
	28	Nehls, S., Snapp, E.L., Cole, N.B., Zaal, K.J., Kenworthy, A.K., Roberts, T.H., Ellenberg, J., Presley, J.F., Siggia, E., and Lippincott-Schwartz, J. (2000). Dynamics and retention of misfolded proteins in native ER membranes. <i>Nat. Cell Biol.</i> 2, 288-295			
	29	Nichols, W.C., Seligsohn, U., Zivelin, A., Terry, V.H., Arnold, N.D., Siemieniak, D.R., Kaufman, R.J., and Ginsburg, D. (1997). Linkage of combined factors V and VIII deficiency to chromosome 18q by homozygosity mapping. <i>J. Clin. Invest.</i> 99, 596-601			
	30	Nichols, W.C., Seligsohn, U., Zivelin, A., Terry, V.H., Hertel, C.E., Wheatley, M.A., Moussalli, M.J., Hauri, H.-P., Ciavarella, N., Kaufman, R.J., and Ginsburg, D. (1998). Mutations in the ER-Golgi intermediate compartment protein ERGIC-53 cause combined deficiency of coagulation factors V and VIII. <i>Cell</i> 93, 61-70			
	31	Nichols, W.C., Terry, V.H., Wheatley, M.A., Yang, A., Zivelin, A., Ciavarella, N., Stefanile, C., Matsushita, T., Saito, H., de Bosch, N.B., Ruiz-Saez, A., Torres, A., Thompson, A.R., Feinstein, D.I., White, G.C., Negrier, C., Vinciguerra, C., Aktan, M., Kaufman, R.J., Ginsburg, D., and Seligsohn, U. (1999). ERGIC-53 gene structure and mutation analysis in 19 combined factors V and VIII deficiency families. <i>Blood</i> 93, 2261-2266			
	32	Nufer, O., Guldbrandsen, S., Degen, M., Kappeler, F., Paccaud, J.P., Tani, K., and Hauri, H.P. (2002). Role of cytoplasmic C-terminal amino acids of membrane proteins in ER export. <i>J. Cell Sci.</i> 115, 619-628			
	33	Pipe, S.W., Morris, J.A., Shah, J., and Kaufman, R.J. (1998). Differential interaction of coagulation factor VIII and factor V with protein chaperones calnexin and calreticulin. <i>J. Biol. Chem.</i> 273, 8537-8544.			
	34	Schekman, R. and Orci, L. (1996). Coat proteins and vesicle budding. <i>Science</i> 271, 1526-1533.			
	35	Springer, S., Chen, E., Duden, R., Marzioch, M., Rowley, A., Hamamoto, S., Merchant, S., and Schekman, R. (2000). The p24 proteins are not essential for vesicular transport in <i>Saccharomyces cerevisiae</i> . <i>Proc. Natl. Acad. Sci. U. S. A.</i> 97, 4034-4039			
	36	Tisdale, E.J., Plutner, H., Matteson, J., and Balch, W.E. (1997). p53/58 binds COPI and is required for selective transport through the early secretory pathway. <i>J. Cell Biol.</i> 137, 581-593			
Examiner:		Jehanne S. H		Date Considered: 12/19/2006	
EXAMINER:					

**U.S. Department of Commerce  
Patent and Trademark Office**

**Attorney Docket No.: UM-08901**

Serial No.: 10/78/362

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Applicant:** David Ginsburg *et al.*

(37 CFR § 1.98(b))

Filing Date:

Group Art Unit: 1634

**OTHER DOCUMENTS** (Including Author, Title, Date, Relevant Pages, Place of Publication)

[illegible]

**Examiner:**

Johanne Sittler

**Date Considered:**

12/19/2008

**EXAMINER:**

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.